

PROJECT DESCRIPTION

I. GENERAL

THIS PORTION OF THE PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 146 (DULANEY VALLEY ROAD) AND TOWSON TOWN CENTER SOUTH ENTRANCE IN BALTIMORE COUNTY, MARYLAND.

MD 146 (DULANEY VALLEY ROAD) IS ASSUMED TO RUN IN A NORTH/SOUTH DIRECTION.

NEW SETBACK DETECTION IS PROPOSED FOR THE INTERSECTION. NEW PRESENCE DETECTION IS PROPOSED FOR THE SOUTHBOUND DIRECTION.

II. INTERSECTION OPERATION

THE INTERSECTION OPERATION WILL REMAIN THE SAME.

CONTROLLER REQUIREMENTS

THE EXISTING POLE MOUNTED CABINET & CONTROLLER WILL BE USED.

PROJECT CONTACTS

THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

MS. ERIN KUHN
ASSISTANT DISTRICT ENGINEER - TRAFFIC
410-229-2381

MR. ROBERT SNYDER
ASSISTANT CHIEF, TRAFFIC OPERATIONS DIVISION
410-787-7631

MR. JESSE FREE
ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
410-229-2421

MR. EDWARD RODENHIZER
SUPERVISOR, SIGNAL OPERATIONS
410-787-7652

MR. ANDRE FUTRELL
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
410-229-2361

MR. MICHAEL PASQUARIELLO
UTILITY ENGINEER
410-229-2341

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
	NONE		

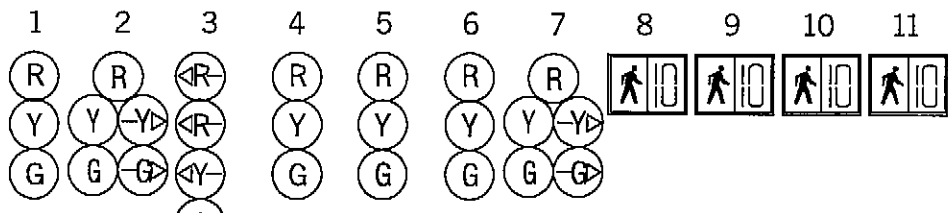
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
585621	12 INCH HEAT APPL. WHITE PERMANENT PREFORMED THERMO. PAVEMENT MARKING	LF	659
585625	24 INCH HEAT APPL. WHITE PERMANENT PREFORMED THERMO. PAVEMENT MARKING	LF	106
805011	1 INCH ELECTRICAL CONDUIT GALVANIZED SLEEVE	LF	25
805160	1 INCH LIQUID-TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE	LF	20
810555	MICROLOOP PROBE; 1000 FOOT LEAD IN CABLE	EA	4
811001	FURNISH AND INSTALL ELECTRICAL HANDHOLE	EA	2
861104	ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)	LF	110
862101	LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)	LF	885
862102	SAW CUT FOR SIGNAL (LOOP DETECTOR)	LF	315


C. SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE CONTROLLER CABINET. THE CABINET AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
	NONE		

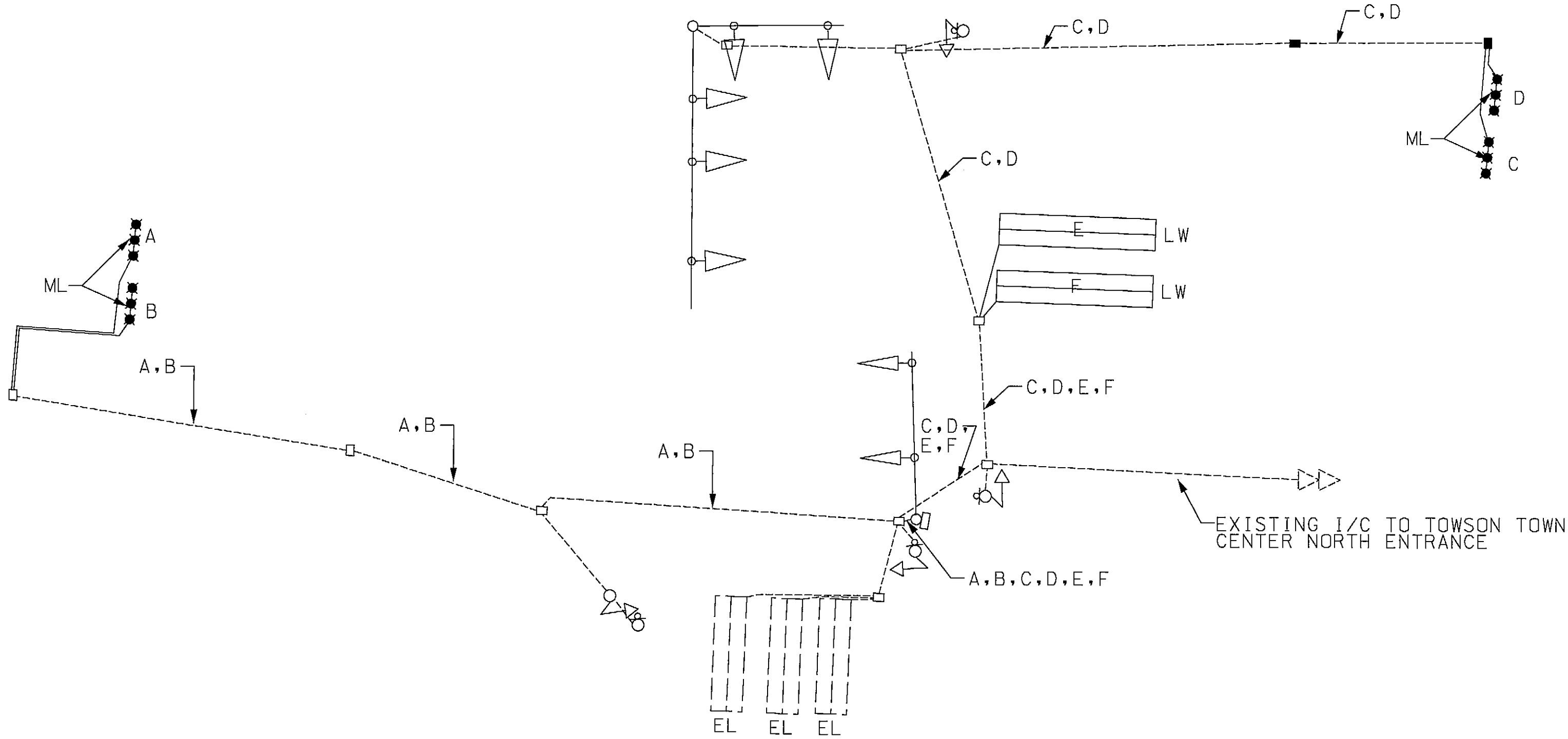
PHASE CHART



PHASE 1	R	R	←G	R	R	R	G→	DW	DW	DW	DW	
1 CHANGE TO 1 AND 6, OR 2 AND 6												
PHASE 1 AND 6	R	R	←G	G	G	R	G→	DW	DW	DW	DW	
1 AND 6 CHANGE	R	R	←Y	G	G	R	Y→	DW	DW	DW	DW	
PHASE 2 AND 6	G	G	←R	G	G	R	R	WK	WK	DW	DW	
PED CLEARANCE	G	G	←R	G	G	R	R	FL/DW	FL/DW	DW	DW	
2 AND 6 CHANGE	Y	Y	←R	Y	Y	R	R	DW	DW	DW	DW	
PHASE 8	R	G→	←R	R	R	G	G	DW	DW	DW	DW	
8 CHANGE	R	Y→	←R	R	R	G	G	DW	DW	DW	DW	
PHASE 8 ALT	R	R	←R	R	R	G	G	DW	DW	W	W	
PED CLEARANCE	R	R	←R	R	R	G	G	DW	DW	FL/DW	FL/DW	
8 ALT CHANGE	R	R	←R	R	R	Y	Y	DW	DW	DW	DW	
FLASHING OPERATION	FL/Y	FL/Y	←R	FL/Y	FL/Y	FL/R	FL/R	DARK	DARK	DARK	DARK	

PRE EMPTION	G	G	←R ←R	G	G	R	R	WK	WK	DARK	DARK	
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WIRING DIAGRAM



KEY

- A, B, C, D } MICRO LOOP PROBE LEAD IN CABLE
- E, F } 2-CONDUCTOR CABLE (ALUMINUM SHIELDED)
- ML } MICRO LOOP PROBE SET
- EL } EXISTING LOOP DETECTOR WIRE
- LW } LOOP DETECTOR WIRE (NO. 14 AWG) IN FLEXIBLE TUBING

1 REDLINE NO.1 8/17/12
REPLACED SHEET

3 ADDENDUM NO.3 7/9/12
REPLACED SHEET

SHA		STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION	
MD 146 (DULANEY VALLEY ROAD) AND TOWSON TOWN CENTER SOUTH ENTRANCE TOWSON, MARYLAND			
GENERAL INFORMATION PLAN			
SCALE	NONE	DATE	7/2012
CONTRACT NO.	BA9825177		
DESIGNED BY	J. VOGT	COUNTY	BALTIMORE
DRAWN BY	J. VOGT	LOGMILE	03014600.10
CHECKED BY	K. SWANN	T.I.M.S. NO.	L171
F.A.P. NO.		TOD NO.	
TS NO.	3570E-GI	DRAWING NO.	SG - 2 OF 2
SHEET NO.	36 OF 44		